Amendments to the Claims

Please amend the claims as follows:

1-11. (Canceled).

12. (Currently amended) A process of operating an evaporator burner oven, the process comprising:

supplying fuel comprising Fischer-Tropsch derived fuel comprising Fischer-Tropsch product having a density of between 0.65 and 0.8 g/cm^3 at 15 °C to an evaporation surface of ~~a~~ the evaporator burner oven ~~without atomizing the fuel into small droplets under pressure~~;

evaporating at least a portion of the fuel into space surrounding the evaporation surface, producing evaporated fuel; and,

combusting at least a portion of the evaporated fuel with oxygen-containing gas to generate heat.

13. (Previously presented) The process of claim 12 comprising supplying the fuel to the evaporation surface comprising a wick.

14. (Previously presented) The process of claim 12 comprising supplying the fuel to openings through one or more fuel supply conduits.

15. (Previously presented) The process of claim 12 further comprising producing a reduced unburned hydrocarbon content compared to combusting a petroleum derived kerosene fuel under the same conditions using the same burner.

16. (Previously presented) The process of claim 12 further comprising producing reduced carbon monoxide emissions compared to combusting a petroleum derived kerosene fuel under the same conditions using the same burner.

17. (Previously presented) The process of claim 16 further comprising producing reduced carbon monoxide emissions compared to combusting a petroleum derived kerosene fuel under the same conditions using the same burner.

18. (Previously presented) The process of claim 12 further comprising producing a reduced Smoke Number compared to combusting a petroleum derived kerosene fuel under the same conditions using the same burner.

19. (Previously presented) The process of claim 17 further comprising producing a reduced Smoke Number compared to combusting a petroleum derived kerosene fuel under the same conditions using the same burner.

20. (Currently amended) ~~The process of claim 12 further comprising~~A process of operating an evaporator burner oven, the process comprising:

supplying fuel comprising Fischer-Tropsch derived fuel comprising Fischer-Tropsch product having a density of between 0.65 and 0.8 g/cm^3 at 15 °C to an evaporation surface of the evaporator burner oven;

evaporating at least a portion of the fuel into space surrounding the evaporation surface, producing evaporated fuel; and,

combusting at least a portion of the evaporated fuel with oxygen-containing gas to generate heat, the combusting producing increased efficiency compared to combusting a petroleum derived kerosene fuel under the same conditions using the same burner.

21. (Canceled)

22. (Previously presented) The process of claim 12 wherein the Fischer-Tropsch derived fuel boils for more than 90 wt % between 160 °C. and 400 °C.

23. (Currently amended) The process of claim 12 wherein the ~~Fischer-Tropsch derived fuel comprises a~~ Fischer-Tropsch product ~~which~~ contains more than 80 wt % of iso and normal paraffins, less than 1 wt % aromatics, less than 5 ppm sulfur and less than 1 ppm nitrogen ~~and wherein the density of the Fischer-Tropsch product is between 0.65 and 0.8 g/cm^3 at 15 °C~~.

24. (Currently amended) The process of claim 12 wherein the Fischer-Tropsch derived fuel comprises more than 80 wt % of [[a]]the Fischer-Tropsch product.

25. (Currently amended) The process [[~~one~~]] of claim 12 wherein the Fischer-Tropsch derived fuel comprises one or more additives.

26. (Previously presented) The process of claim 12, wherein the Fischer-Tropsch derived fuel comprises an additive selected from the group consisting of an odor marker, a color marker, and a combination thereof.

19. (Previously presented) The process of claim 17 further comprising producing a reduced Smoke Number compared to combusting a petroleum derived kerosene fuel under the same conditions using the same burner.

20. (Currently amended) ~~The process of claim 12 further comprising~~A process of operating an evaporator burner oven, the process comprising:

supplying fuel comprising Fischer-Tropsch derived fuel comprising Fischer-Tropsch product having a density of between 0.65 and 0.8 g/cm^3 at 15 °C to an evaporation surface of the evaporator burner oven;

evaporating at least a portion of the fuel into space surrounding the evaporation surface, producing evaporated fuel; and,

combusting at least a portion of the evaporated fuel with oxygen-containing gas to generate heat, the combusting producing increased efficiency compared to combusting a petroleum derived kerosene fuel under the same conditions using the same burner.

21. (Canceled)

22. (Previously presented) The process of claim 12 wherein the Fischer-Tropsch derived fuel boils for more than 90 wt % between 160 °C. and 400 °C.

23. (Currently amended) The process of claim 12 wherein ~~the Fischer-Tropsch derived fuel~~ comprises a Fischer-Tropsch product ~~which~~ contains more than 80 wt % of iso and normal paraffins, less than 1 wt % aromatics, less than 5 ppm sulfur and less than 1 ppm nitrogen ~~and wherein the density of the Fischer-Tropsch product is between 0.65 and 0.8 g/cm^3 at 15 °C~~.

24. (Previously presented) The process of claim 12 wherein the Fischer-Tropsch derived fuel comprises more than 80 wt % of a Fischer-Tropsch product.

25. (Currently amended) The process ~~one~~ of claim 12 wherein the Fischer-Tropsch derived fuel comprises one or more additives.

26. (Previously presented) The process of claim 12, wherein the Fischer-Tropsch derived fuel comprises an additive selected from the group consisting of an odor marker, a color marker, and a combination thereof.

27. (Previously presented) The process of claim 12 wherein the fuel does not contain a metal-based combustion improver and the combusting produces a flame, the process further comprising accurately detecting the flame using an ionization sensor.

28. (Previously presented) The process of claim 24 wherein the fuel comprises a color marker and the combusting produces a flame, the process further comprising accurately detecting the flame using a yellow flame detector.

29. (Currently amended) The process of claim 12 wherein the Fischer-Tropsch ~~Derived~~derived fuel comprises a mineral oil fraction and/or a non-mineral oil fraction.

30. (Currently amended) The process of claim 24 wherein the Fischer-Tropsch ~~Derived~~derived fuel comprises a mineral oil fraction and/or a non-mineral oil fraction.

31. (New) A process of operating an evaporator burner oven, the process comprising:

supplying fuel comprising Fischer-Tropsch derived fuel comprising Fischer-Tropsch product having a density of between 0.65 and 0.8 g/cm^3 at 15 °C to an evaporation surface of the evaporator burner oven;

evaporating at least a portion of the fuel into space surrounding the evaporation surface, producing evaporated fuel; and,

combusting at least a portion of the evaporated fuel with oxygen-containing gas to generate heat;

wherein, compared to combusting a petroleum derived kerosene fuel under the same conditions using the same burner, the combusting produces increased efficiency and a reduced unburned hydrocarbon content.

32. (New) The process of claim 31 further comprising producing reduced carbon monoxide emissions compared to combusting a petroleum derived kerosene fuel under the same conditions using the same burner.

33. (New) The process of claim 31 further comprising producing a reduced Smoke Number compared to combusting a petroleum derived kerosene fuel under the same conditions using the same burner.

34. (New) The process of claim 32 further comprising producing a reduced Smoke Number compared to combusting a petroleum derived kerosene fuel under the same conditions using the same burner.